

Fig. 1

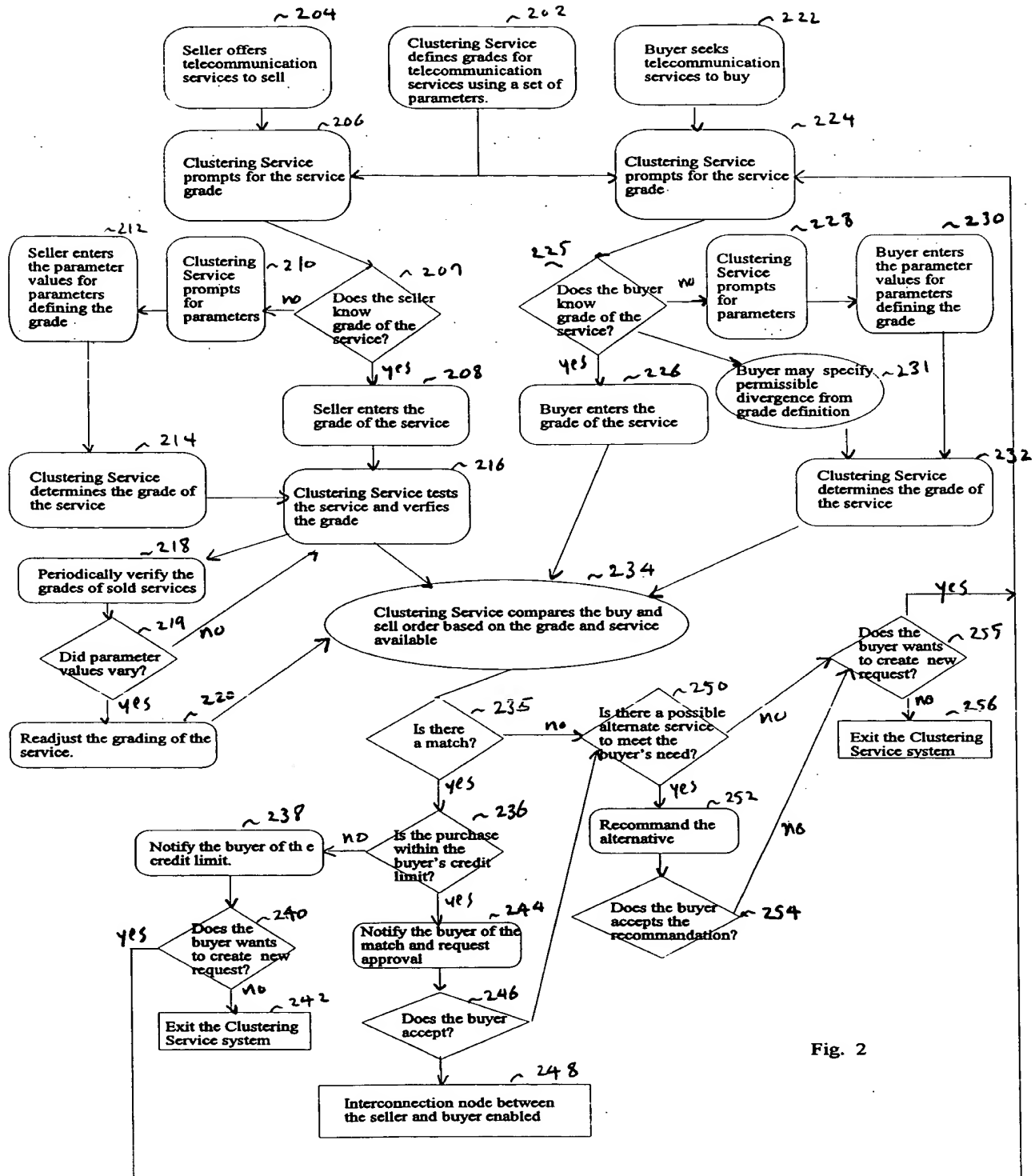


Fig. 2

### Grade A

- good speech clarity, and
- no perceptible loudness degradation, and
- no perceptible noise, and
- no perceptible cross-talk, and
- full duplex communications with imperceptible echo, and
- one-way latency shorter than 100 milliseconds

Fig. 3A

### Grade B

- fully omprehensible speech with little clarity degradation, or
- fully comprehensible speech with little loudness degradation, or
- fully comprehensible speech with little perceptible noise, or
- fully duplex communication with barely perceptible echo, or
- barely perceptible cross-talk, or
- one-way latency between 101 and 135milliseconds

Fig. 3B

### Grade C

- fully omprehensible speech with some clarity degradation, or
- fully comprehensible speech with some loudness degradation, or
- fully comprehensible speech with some perceptible noise, or
- fully duplex communication with barely perceptible echo, or
- barely perceptible cross-talk, or
- one-way latency between 136 and 175milliseconds

Fig. 3C

### Grade D

- occasional difficulty in speech comprehension, or
- occasional difficulty in transiting real-time fax, or
- noticeable loudness degradation, or
- some perceptible cross-talk, or
- less-than full duplex communications (e.g., one direction of communication is noticeably blocked while the other direction is active), or
- commonly perceptible echo not interfering with interactive conversations, or
- one-way latency exceeding 176 and 200 milliseconds.

Fig. 3D

### Grade E

- difficulty in speech comprehension, or
- unable to transit real-time fax, or
- significant loudness degradation, or
- perceptible cross-talk, or
- virtually half-duplex communications (e.g., one direction of communication is significantly blocked while the other direction is active), or
- commonly perceptible echo interfering with interactive conversations, or
- one-way latency exceeding 201 milliseconds.

Fig. 3E

~ 401

SELLER INPUT TEMPLATE	
CARRIER NAME:	_____
SELLER ID #:	_____
PASSWORD:	_____
SUBMITTED:	7/27/99
SPECIFICATIONS:	
ORIGINATING LOCATION:	_____
TERMINATION LOCATION:	_____
PRICE:	_____
CAPACITY:	_____
NUMBER OF CIRCUITS:	_____
TIME AVAILABLE:	_____
GRADE (if known):	_____
IF NOT KNOWN:	<input type="button" value="Click here"/> ~ 490
SPECIAL FACTORS:	<input type="button" value="Click here"/>

Fig. 4A

~ 415

BUYER INPUT TEMPLATE	
CARRIER NAME:	_____
BUYER ID #:	_____
PASSWORD:	_____
SUBMITTED:	7/27/99
SPECIFICATIONS:	
ORIGINATING LOCATION:	_____
TERMINATION LOCATION:	_____
PRICE:	_____
CAPACITY:	_____
NUMBER OF CIRCUITS:	_____
TIME REQUESTING:	_____
GRADE (if known):	_____
IF NOT KNOWN:	<input type="button" value="Click here"/> ~ 492
SPECIAL FACTORS:	<input type="button" value="Click here"/>

Fig. 4B

SELLER INPUT TEMPLATE	
CARRIER NAME:	USAGLOBAL
SELLER ID #:	SC300M3A4
PASSWORD:	*****
SUBMITTED:	7/27/99
SPECIFICATIONS:	
ORIGINATING LOCATION:	NEW YORK
TERMINATING LOCATION:	LONDON
PRICE:	\$5k/month
CAPACITY:	120 k min/month
NUMBER OF CIRCUITS:	200
TIME AVAILABLE:	8/1/1999 to 1/2000
SPECIAL FACTORS:	<a href="#">Click here</a>
PARAMETER INPUTS:	
TYPE OF CONNECTION	_____
VOICE COMPRESSION RATIO	_____
SPEECH CLARITY	_____
LOUDNESS DEGRADATION	_____
NOISE	_____
CROSS-TALK	_____
DUPLEX CAPABILITY / ECHO LEVEL	_____
ONE-WAY LATENCY	_____

Fig. 5A

BUYER NPUT TEMPLATE	
CARRIER NAME:	EUROGLOBAL
BUYER ID #:	BC620Z3A6
PASSWORD:	*****
SUBMITTED:	7/29/99
SPECIFICATIONS:	
ORIGINATING LOCATION:	NEW YORK
TERMINATING LOCATION	LONDON
PRICE:	\$10k/month
CAPACITY:	100 k min/month
NUMBER OF CIRCUITS:	100
TIME REQUESTING:	8/1/1999 to 12/1/1999
SPECIAL WEIGHING FACTORS:	<a href="#">Click here</a>
PARAMETER INPUTS:	
TYPE OF CONNECTION	_____
VOICE COMPRESSION RATIO	_____
SPEECH CLARITY	_____
LOUDNESS DEGRADATION	_____
NOISE	_____
CROSS-TALK	_____
DUPLEX CAPABILITY / ECHO LEVEL	_____
ONE-WAY LATENCY	_____

Fig. 5B



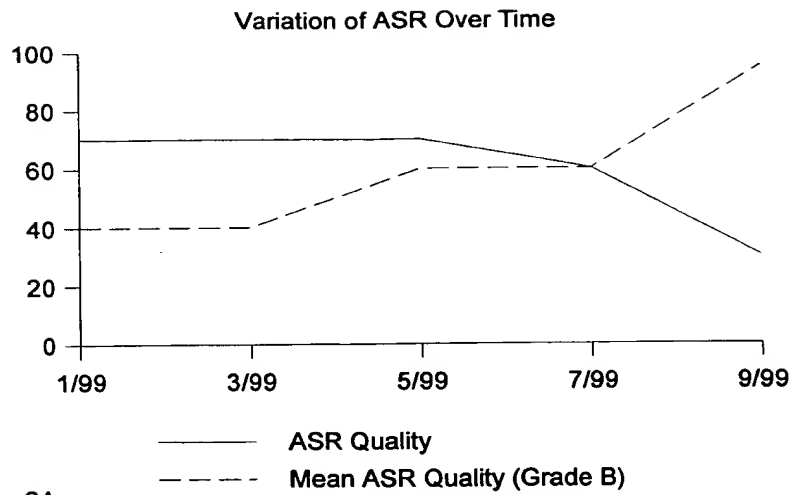


Fig. 6A

- Grade\* of USAGLOBAL at 5/99 - 1975 : B
  - Grade\* of USAGLOBAL at 7/99 : C
  - Grade\* of USAGLOBAL at 9/99: E
- \* : with other parameters held at same value

Fig. 6B

Grade

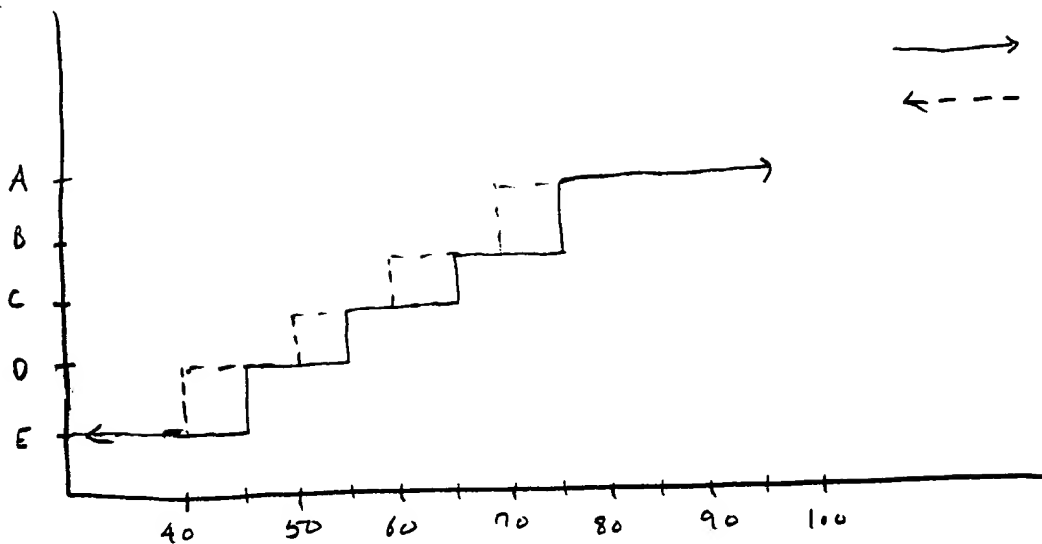


Fig. 7